



#5

-1-

## SEQUENCE LISTING

<110> Beug, Hartmut  
Hofmann, Johannes

<120> Pro-apoptotic Proteins and DNA Molecules Encoding Them

<130> 0652.2430001/EKS/AES

<140> 10/055,882

<141> 2002-01-28

<150> 60/297,443

<151> 2001-06-13

<150> EP 01 101 800.9

<151> 2001-01-26

<160> 4

<170> PatentIn version 3.2

<210> 1

<211> 505

<212> DNA

<213> Mus musculus

<220>

<221> 5'UTR

<222> (1)..(47)

<220>

<221> CDS

<222> (48)..(389)

<220>

<221> 3'UTR

<222> (390)..(505)

<400> 1

cacctcgccc gaggcagtga gggaccaggc tctccaagga cagaaaa atg gcg gcc 56  
Met Ala Ala  
1

ctg ggg tcc ccg gcg cgc act ctg cgg ggc ctt ctg agg gag ctg cgc 104  
Leu Gly Ser Pro Ala Arg Thr Leu Arg Gly Leu Leu Arg Glu Leu Arg  
5 10 15

tac ctg aac gcg gcc acc ggg cgg cca tat cgc gac aca gcg gcc tac 152  
Tyr Leu Asn Ala Ala Thr Gly Arg Pro Tyr Arg Asp Thr Ala Ala Tyr  
20 25 30 35

cgg tac ctc gtt aag gct ttc cga gca cat cgg gtt acc agt gag aag 200  
Arg Tyr Leu Val Lys Ala Phe Arg Ala His Arg Val Thr Ser Glu Lys  
40 45 50

ttg tgt aga gcc caa cac gaa ctt cac ttc caa gct gcc acc tat ctc 248  
Leu Cys Arg Ala Gln His Glu Leu His Phe Gln Ala Ala Thr Tyr Leu  
55 60 65

```

tgc ctt ttg agt agc atc cgg caa cat gta gcc ctt cat cag gaa ttt 296
Cys Leu Leu Ser Ser Ile Arg Gln His Val Ala Leu His Gln Glu Phe
      70              75              80

cat ggc aag ggt gag cgt tca gtg gag gag tct gct ggt tta gtg ggc 344
His Gly Lys Gly Glu Arg Ser Val Glu Glu Ser Ala Gly Leu Val Gly
      85              90              95

ctc cag ttg ccc cgt cag cct gga ggg aag ggc tgg gag ccg tga 389
Leu Gln Leu Pro Arg Gln Pro Gly Gly Lys Gly Trp Glu Pro
100              105              110

tgcagagagt cctcagatgt tccttcattc aagagtttaa ccatttctaa caatatgtag 449

ttatcattaa atcttttttta aagtgtaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa 505

```

<210> 2  
 <211> 113  
 <212> PRT  
 <213> Mus musculus

```

<400> 2
Met Ala Ala Leu Gly Ser Pro Ala Arg Thr Leu Arg Gly Leu Leu Arg
  1              5              10              15

Glu Leu Arg Tyr Leu Asn Ala Ala Thr Gly Arg Pro Tyr Arg Asp Thr
      20              25              30

Ala Ala Tyr Arg Tyr Leu Val Lys Ala Phe Arg Ala His Arg Val Thr
      35              40              45

Ser Glu Lys Leu Cys Arg Ala Gln His Glu Leu His Phe Gln Ala Ala
      50              55              60

Thr Tyr Leu Cys Leu Leu Ser Ser Ile Arg Gln His Val Ala Leu His
      65              70              75              80

Gln Glu Phe His Gly Lys Gly Glu Arg Ser Val Glu Glu Ser Ala Gly
      85              90              95

Leu Val Gly Leu Gln Leu Pro Arg Gln Pro Gly Gly Lys Gly Trp Glu
      100              105              110

Pro

```

<210> 3  
 <211> 467  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> 5'UTR  
 <222> (1)..(42)

<220>  
 <221> CDS  
 <222> (43)..(384)

<400> 3

ggg tcc ccg gcg cac act ttt cga gga ctt ctg cgg gag ttg cgc tac 102  
 Gly Ser Pro Ala His Thr Phe Arg Gly Leu Leu Arg Glu Leu Arg Tyr  
 5 10 15 20

tac ctt gtg aag gct ttc cgt gca cat cgg gtc acc agt gaa aag ttg 198  
Tyr Leu Val Lys Ala Phe Arg Ala His Arg Val Thr Ser Glu Lys Leu  
40 45 50

ctc ctg cgt agc atc cgg aaa cat gtg gcc cta cat cag gaa ttt cat 294  
Leu Leu Arg Ser Ile Arg Lys His Val Ala Leu His Gln Glu Phe His  
70 75 80

aag ttg ccc cat cag cct gga ggg aag ggc tgg gag cca tga 384  
Lys Leu Pro His Gln Pro Gly Gly Lys Gly Trp Glu Pro  
105 110

acatggagaa tacccttgga tgctgcattc ataggagaat tgaataattt ctatcaatat 444

gtatttatca ttaaattttt ttt 467

<400> 4

Glu Leu Arg Tyr Leu Ser Ala Ala Thr Gly Arg Pro Tyr Arg Asp Thr  
20 25 30

Ser Glu Lys Leu Cys Arg Ala Gln His Glu Leu His Phe Gln Ala Ala  
50 55 60

Thr	Tyr	Leu	Cys	Leu	Leu	Arg	Ser	Ile	Arg	Lys	His	Val	Ala	Leu	His
65					70					75					80
Gln	Glu	Phe	His	Gly	Lys	Gly	Glu	Arg	Ser	Val	Glu	Glu	Ser	Ala	Gly
				85					90					95	
Leu	Val	Gly	Leu	Lys	Leu	Pro	His	Gln	Pro	Gly	Gly	Lys	Gly	Trp	Glu
			100					105					110		

Pro